

Technical information

SUPER 2003-5 X



Wheeled Paver SUPER 2003-5 X

Highway Class

TECHNICAL HIGHLIGHTS

- > Maximum paving width 25 ft. 5 in. (7.75 m)
- > Maximum laydown rate 1,540 tons/h (1,400 tonnes/h)
- > Transport width 10 ft. (3.05 m)
- > Engine output: 250 hp (186 kW) at 2,000 rpm

X

SUPER 2003-5 X - the new generation

With the SUPER 2003-5 X-Tier wheeled paver, VÖGELE is taking two steps into the future at once: new operator ergonomics, more automated processes and faster setup times, together with reduced noise and exhaust emissions.

All the upgrades and new features make the SUPER 2003-5 X a paver that equips our customers perfectly for the future. The wheeled paver in the 10-foot class was primarily designed for long-distance roads and large-scale projects where performance and productivity are key.



TECHNICAL DATA

Power unit

Engine	
> Version	6-cylinder diesel engine, liquid-cooled
> Manufacturer	Cummins
> Type	QSB6.7-C250
Output	
> Nominal	250 hp (186 kW) at 2,000 rpm (according to DIN)
> ECO mode 1	235 hp (175 kW) at 1,700 rpm
> ECO mode 2	208 hp (155 kW) at 1,500 rpm
Emissions information	
> Exhaust emissions standards	CARB Tier 4f, US EPA Tier 4f
> Exhaust gas after-treatment	DOC, SCR
Fuel tank	100 gallons (US) (380 liters)

Undercarriage

Front wheels	
> Tire equipment	Elastic solid rubber tires
> Tire size	540/300-390
Rear wheels	
> Tire equipment	2, pneumatic, tubeless
> Tire size	445/95R25
Traction drive	
> Version	separate hydraulic drive provided for each wheel
> Standard	2 powered front wheels and 2 powered rear wheels (6x4)
> Option	all-wheel drive (6x6)
Speeds	
> Paving	up to 250 fpm (76 m/min), infinitely variable
> Transport	up to 12 mph (19 km/h), infinitely variable
Outer turning radius	minimum of 20 in. (6.1 m) with Pivot Steer

Material hopper

Hopper capacity	15.5 tons (14 tonnes), including conveyor tunnel
Width	11 ft. 1 in. (3,356 mm)
Feed height	24 in. (620 mm)
Push-rollers	
> Standard	oscillating
Position	can be displaced forwards by 4 in. (100 mm)
> Option 1	Swing-mounted push-rollers
> Option 2	truck hitch

Conveyors and augers

Conveyors	
> Version	2, with replaceable feeder bars, conveyor movement reversible for a short time
> Drive	separate hydraulic drive provided for each conveyor
> Speed	up to 197 fpm (60 m/min.), infinitely variable (manual or automatic)
Augers	
> Version	2, with exchangeable auger blades, auger rotation reversible
> Diameter	16 in. (400 mm)
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 130 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable by 6 in. (15 cm), hydraulic
Lubrication	automatic centralized lubrication system with electrically driven grease pump

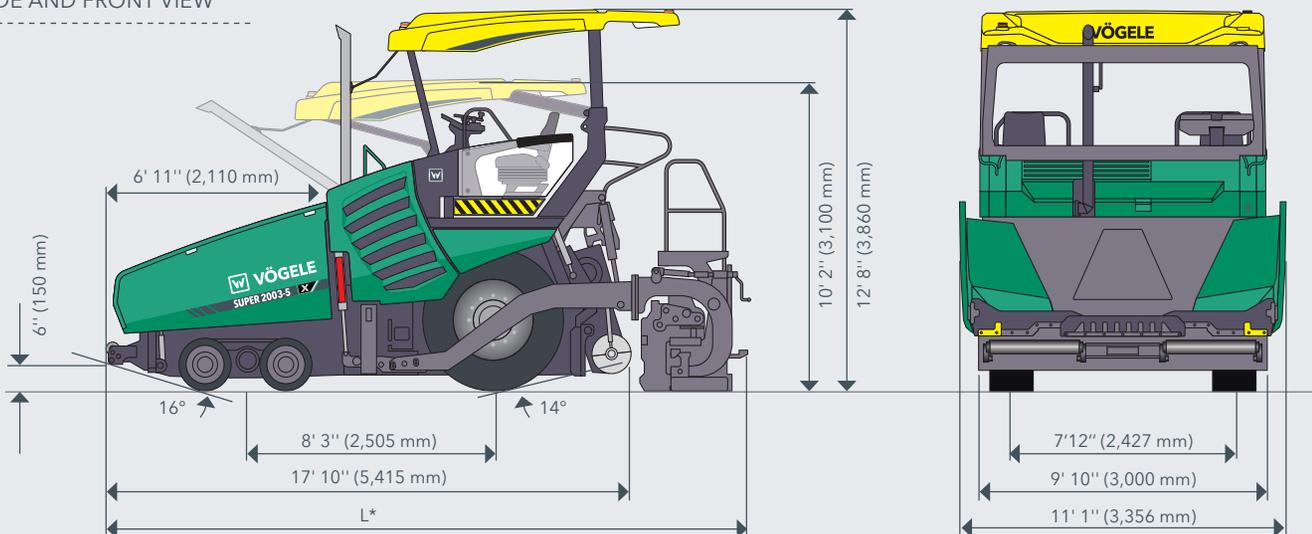
Screed	VF 600	VR 600	AB 600
Basic width	10 ft. to 19 ft. 6 in. (3.05 m to 5.95 m)	10 ft. to 19 ft. 8 in. (3.05 m to 6 m)	9 ft. 10 in. to 19 ft. 8 in. (3 m to 6 m)
Maximum width	25 ft. 5 in. (7.75 m)	23 ft. 11 in. (7.3 m)	24 ft. 7 in. (7.5 m)
Compacting systems	V	V	TV
Layer thickness	up to 12 in. (30 cm)		
Screed heating			
> Version	electric by heating rods		
> Power supply	three-phase AC generator		

Dimensions (transport) and weights

Length	
> Version	tractor unit and screed
> VF 600 V	21 ft. 8 in. (6.585 m)
> VR 600 V	22 ft. 10 in. (6.945 m)
> AB 600 TV	22 ft. (6.705 m)
Weights	
> Version	tractor unit and screed
> VF 600 V	47,325 lbs. (21,465 kg)
> VR 600 V	48,390 lbs. (21,950 kg)
> AB 600 TV	48,280 lbs. (21,900 kg)

Key: DOC = Diesel Oxidation Catalyst, SCR = Selective Catalytic Reduction, VF = Screed with Front-Mounted Extensions, VR = Screed with Rear-Mounted Extensions, AB = Extending Screed V= with vibration, TV = with tamper and vibration

SIDE AND FRONT VIEW



L* = Dependent on screed type (see specification)

THE HIGHLIGHTS OF THE SUPER 2003-5 X

- > Latest-generation wheeled paver, with a large range of applications and pave widths up to 25 ft. 5 in. (7.75 m)
- > Powerful engine with 250 hp (186 kW) at 2,000 rpm
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise
- > ErgoPlus 5 - the next step in the evolution of VÖGELE's tried and tested operating concept
- > Equipped for the future with ErgoPlus 5 Premium Touch
- > Optimum material feed thanks to the large material hopper and the PaveDock Assistant communication system
- > Improved safety and reduced setup times at night-working job sites thanks to Light Package and Light Package Plus
- > Paver Access Control (PAC) makes the paver ready for operation and transport more quickly
- > Auto Grade Plus automated grade and slope control for automated roof profile and transverse profile paving
- > New-generation screeds with Dual Shift Tamper for rapid tamper stroke adjustment

FEATURES

> Powerful oil-cooled generator	■
> VÖGELE EcoPlus low-emissions package	■
> ErgoPlus 5 paver operator's platform with fixed roof	□
> Paver operator's console Premium Touch	□
> Windshield with wipers	□
> Convenience package with Paver Access Control (PAC)	□
> Pave Assist Plus to automate routine tasks	□
> Light Package and Light Package Plus	□
> PaveDock Assistant communication system	□
> Large receiving hopper with 15.5 tons (14 tonnes) capacity	■
> Hydraulic hopper front	□
> Sonic sensor to control augers	■
> Auger tunnel illumination	■
> Auto Grade Plus for automated grade and slope	□
> Ventilation system	■
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□
> Hydraulic tamper stroke adjustment at the touch of a button	□
> John Deere Operations Center	■

This list is just an extract of the scope of supply.
Standard features and options may differ by sales region.

■ Standard feature □ Option

Wirtgen America, Inc.

6030 Dana Way
Antioch, TN 37013
USA

T: +1 615 501-0600
F: +1 615 501-0691
M: info.america@wirtgen-group.com

➤ www.wirtgen-group.com/america

